STEEL CITY®

User Manual

Read and understand this manual before using machine.

4” BELT & 8” DISC SANDER WITH DUST COLLECTION

Model Number
55105

STEEL CITY TOOL WORKS
VER. 12.30.13

THANK YOU for purchasing your new Steel City Sander. This sander has been designed, tested, and inspected with you, the customer, in mind. When properly assembled, used and maintained, your sander will provide you with years of trouble free service, which is why it is backed by one of the best machinery warranties in the business.

This sander is just one of many products in the Steel City's family of woodworking machinery and is proof of our commitment to total customer satisfaction.

At Steel City we continue to strive for excellence each and every day and value the opinion of you, our customer. For comments about your sander or Steel City Tool Works, please visit our web site at **www.steelcitytoolworks.com** .

WARRANTY

2 YEAR LIMITED WARRANTY

Steel City Tool Works, LLC (SCTW) warrants this SCTW machinery to be free of defects in workmanship and materials for a period of 2 years from the date of the original retail purchase by the original owner for domestic use. Granite components are warranted for 2 years based on normal use and is void if non SCTW accessories are used that cause the break or chip. Customer must advise SCTW within 30 days for any damage or defect found upon receipt of the product to qualify for the warranty on granite.

The warranty does not cover any product used for professional or commercial production purpose nor for industrial or educational applications. Such cases are covered by our 1 year Limited Warranty with the Conditions and Exceptions listed below.

Conditions and exception:

Warranty applies to the original buyer only and may not be transferred. Original proof of purchase is required.

Warranty does not include failures, breakage or defects deemed after inspection by an Authorized Service Center, (ASC) or agent of, have been directly or indirectly caused by or resulting from improper use, lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any part or component.

Additionally, warranty is void if repairs or alterations are made to the machine by an unauthorized service center without the direct consent of SCTW

Consumables such as blades, knives, bits and sandpaper are not covered.
Wear items such as drive belt, bearings, switch, are covered for 1 year.

To file a claim of warranty or to find a service center, call toll free 877-724-8665 or email customercare@steelcitytoolworks.net and you must be able to present the original or photo copy of the sales receipt including the serial number from the machine and/or carton.

SCTW will inspect, repair or replace, at its expense and its option, any part that has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a designated ASC and provides SCTW with a reasonable opportunity to verify the alleged defect by inspection. SCTW will return the product or replacement at our expense unless it is determined by us that there is no defect or that the defect resulted from causes not within the scope of our *warranty in which case we will, at your direction, dispose of or return the product.* In the event you choose to have the product returned, you will be responsible for the handling and shipping costs of the return.

SCTW furnishes the above warranties in lieu of all other warranties, express or implied. SCTW shall not be liable for any special, indirect, incidental, punitive or consequential damages, including without limitation loss of profits arising from or related to the warranty, the breach of any agreement or warranty, or the operation or use of its machinery, including without limitation damages arising from damage to fixtures, tools, equipment, parts or materials, direct or indirect loss caused by and other part, loss of revenue or profits, financing or interest charges, and claims by and third person, whether or not notice of such possible damages has been given to SCTW. Damages or any kind for any delay by or failure of SCTW to perform its obligations under this agreement or claims made a subject of a legal proceeding against SCTW more than one (1) year after such cause of action first arose.

The validity, construction and performance of this Warranty and any sale of machinery by SCTW shall be governed by the law of the Commonwealth of Pennsylvania, without regard to conflicts of law's provisions of any jurisdiction. Any action related in any way to any alleged or actual offer, acceptance or sale by SCTW or any claim related to the performance of and agreement including without limitation this Warranty, shall take place in the federal or state courts in Allegheny County, Pennsylvania.

Warranty registration card must be submitted to SCTW for purpose of proof within 90 days of purchase with a copy of the sales receipt. Failure to do so will, revert the 2 year warranty to 1 year as in the terms stated above. This registration is also needed to facilitate contact in case of a safety recall.

This warranty gives you specific legal rights and you may have other rights which vary in certain States or Provinces.

Note to user
This instruction manual is meant to serve as a guide only. Specification and references are subject to change without prior notice. Check the website www.steelcitytoolworks.com for updated manuals with reference to the VER# located on the front page.

LIMITED WARRANTY – BLUE LINE line of bench top tools

Steel City Tool Works, LLC (SCTW) warrants this SCTW BLUE LINE machinery to be free of defects in workmanship and materials for a period of 2 years from the date of the original retail purchase by the original owner for domestic use.
Consumables such as blades, knives, bits and sandpaper are not covered.
Wear items such as drive belt, bearings, switch, are covered for 1 year.

The warranty does not cover any product used for professional or commercial production purpose nor for industrial or educational applications. Such cases are covered by our 30 days Limited Warranty with the Conditions and Exceptions listed previously.

✒ PRODUCT SPECIFICATIONS

55105
Motor…….110V……..…3/4 HP (Please choose proper power source, voltage and Frequency that are shown in the label for your sander.) Belt Width.....4” Belt Length.....36” Belt Speed 60HZ..... 22ft/s Disc Dia. .....8” Size of table.....9” x 6”

✒ GENERAL SAFETY RULES

WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

▲Work Area

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control. Protect others in the work area from debris such as chips and sparks. Provide barriers or shields as needed.

▲Electrical Safety

4. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electric shock if your body is grounded.
5. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
6. **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adapter plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.** If the tools should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user.
7. **Do not abuse the Power Cord. Never use the Power Cord to carry the tools or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord.**

▲Personal Safety

9. **Stay alert. Watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
11. **Remove adjusting keys or wrenches before turning the power tool on.** A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
12. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the power tool in unexpected situations.
13. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

▲Tool Use and Care

14. **Use clamps (not included) or other practical ways to secure and support the work piece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
15. **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
16. **Do not use the power tool if the Power Switch does not turn it on or off.** Any tool that cannot be controlled with the Power Switch is dangerous and must be replaced.
17. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
18. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
19. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with a sharp cutting edge are less likely to bind and are easier to control. Do not use a damaged tool. Tag damaged tools “Do not use” until repaired.
20. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool’s operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
21. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.

▲Service

22. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
23. **When servicing a tool, use only identical replacement parts. Follow instructions in the “Inspection, Maintenance, And Cleaning” section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

✒ SPECIFIC SAFETY RULES FOR THIS PRODUCT

1. **Maintain labels and nameplates on the Belt Sander.** These carry important information.
2. **Always wear eye goggles and heavy work gloves when using the Sander.** Using personal safety devices reduce the risk for injury.
3. **Maintain a safe working environment.** Keep the work area well lit. Make sure there is adequate surrounding workspace. Always keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use a power tool in areas near flammable chemicals, dusts, and vapors. Do not use this product in a damp or wet location.
4. **Avoid unintentional starting.** Make sure you are prepared to begin work before turning on the Belt Sander**.**
5. **Do not force the Sander.** This tool will do the work better and safer at the speed and capacity for which it was designed.
6. **Always unplug the Sander from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.**
7. **Never leave the Sander unattended while running**. Turn power off if you have to leave the Belt Sander**.**
8. **Before each use, check all nuts, bolts, and screws for tightness**. Vibration during mixing may cause these to loosen.
9. **Keep extension cord off the ground and away from water.**
10. **Always connect the Line Cord to a Ground Fault Circuit Interrupter protected electrical outlet**.
11. **Install this product on a proper surface**. Locate on a flat, level, and solid surface that is capable of supporting the weight of the Belt Sander**.**
12. **Always maintain a maximum of 1/16 inch clearance between the table and the sanding Disc**.
13. **Do not use the right side of the disc for sanding**. The material could kick back.
14. **Hold material securely while sanding to avoid kick back**.
15. **Use a dust extractor unit for eliminating wood chips.**

✒ GROUNDING INSTRUCTIONS

▲ELECTRICAL REQUIREMENTS

WARNING: To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools. To avoid shock or fire, if power cord is worn or cut, or damaged in any way, have it replaced immediately.

GROUNDING INSTRUCTIONS

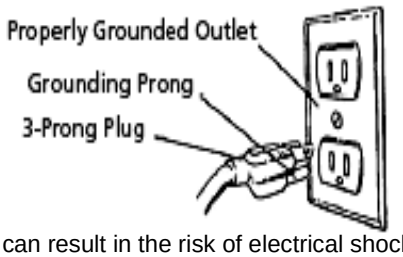
WARNING: This tool must be grounded while in use to protect the operator from electrical shock.

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides a path of least resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment-grounding conductor and a grounding plug. The plug MUST be plugged into a matching receptacle that is properly installed and grounded in accordance with ALL local codes and ordinances.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the receptacle, have the proper receptacle installed by a qualified electrician.

IMPROPER CONNECTION of the equipment-grounding conductor can result in risk of electric shock. The conductor with green insulation (with or without yellow stripes) is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, DO NOT; connect the equipment-grounding conductor to a live terminal.

CHECK with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.



WARNING: Improper connection of equipment grounding conductor can result in the risk of electrical shock. Equipment should be grounded while in use to protect operator from electrical shock.

-Check with a qualified electrician if you do not understand grounding instructions or if you are in doubt as to whether the tool is properly grounded.

-This tool is equipped with an approved cord and a 3-prong grounding type plug for you protection against shock hazards.

-Grounding plug should be plugged directly into a properly installed and grounded 3-prong grounding-type receptacle, as shown.

-Do not remove or alter grounding prong in any manner, in the event of a malfunction or breakdown, grounding provides a path of least resistance for electrical shock.

▲GUIDELINES FOR EXTENSION CORDS

USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and cause overheating.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

✒ UNPACKING

When unpacking, check to make sure that all the parts are included.

A. Sander

B. Work stop

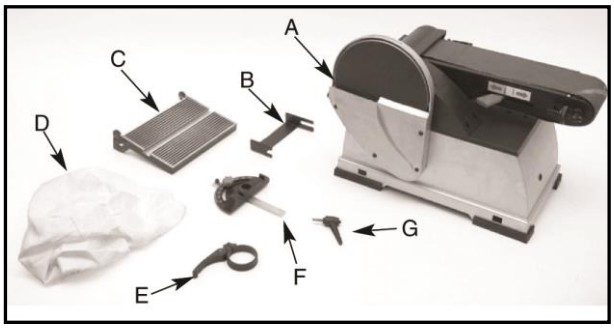
C. Table

D. Bag

E. Bag clamp

F. Miter gauge assembly

G. Lock Handle with washer



Not shown:

Abrasive disc

Knobs

Four feet

Four mounting brackets

Two M6X16 socket head bolts

Four M6X16 hex head bolts

Two m6 lock washers

Six m6 flat washers

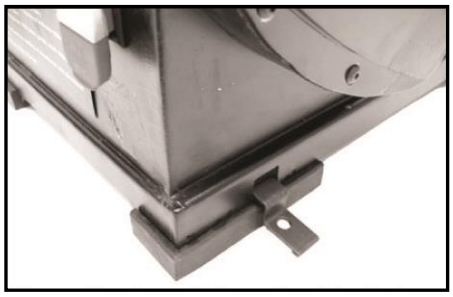
Four m6 hex nuts

Wrenches

✒ ASSEMBLY INSTRUCTIONS

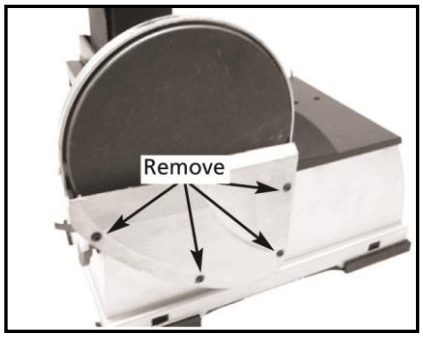
▲Mount sander

1. Carefully set the Belt Sander on its side.
2. Find four rubber feet in the parts bag.
3. Press-fit each rubber Foot over the lip of the Base corner.
4. Sander can be installed on a workbench or a tool stand using bolts, and hex nuts, and mounting brackets.



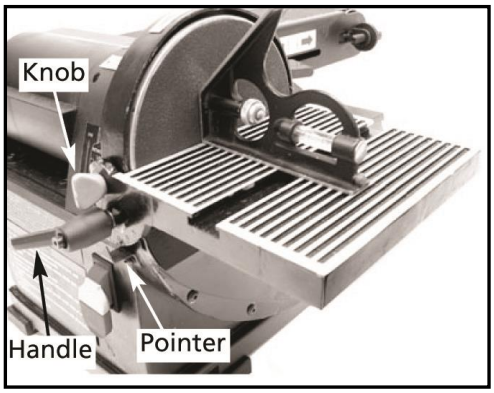
▲Attach abrasive disc

1. Remove disc cover by loosening and removing four screws.
2. Peel protective paper from the back of the abrasive disc.
3. Center the abrasive disc onto the aluminum disc and press on firmly and evenly.
4. Replace disc cover.



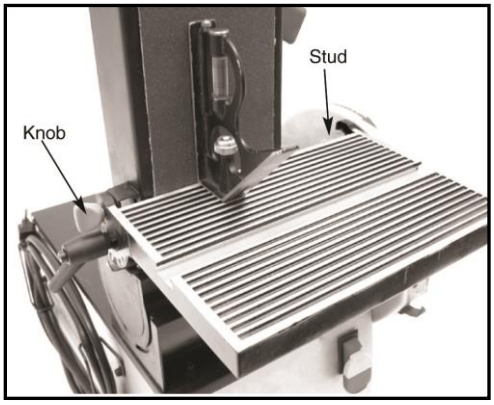
▲Table Installation

1. Position table on disc guard and attach using knobs.
2. Thread locking handle through table and into disc guard.
3. Using a combination square, set the table perpendicular to the disc, and secure in position. If necessary, set pointer at 0 degrees



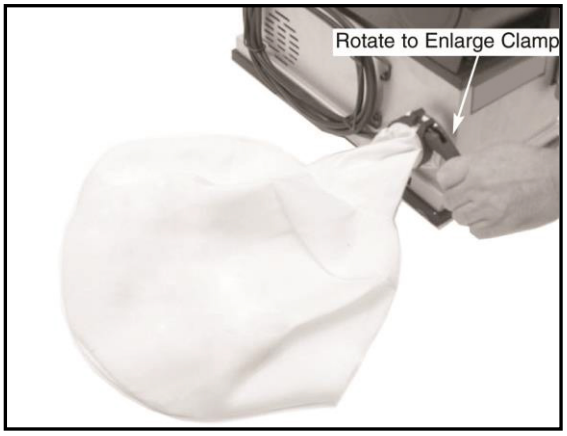
Using the table with the belt.

1. Thread stud into belt housing.
2. Position table over stud and bracket. Secure table using two knobs.
3. Thread locking handle through table into bracket
4. Using a combination square set the table perpendicular to the belt and secure in position. If necessary, set the pointer to 0° degrees.



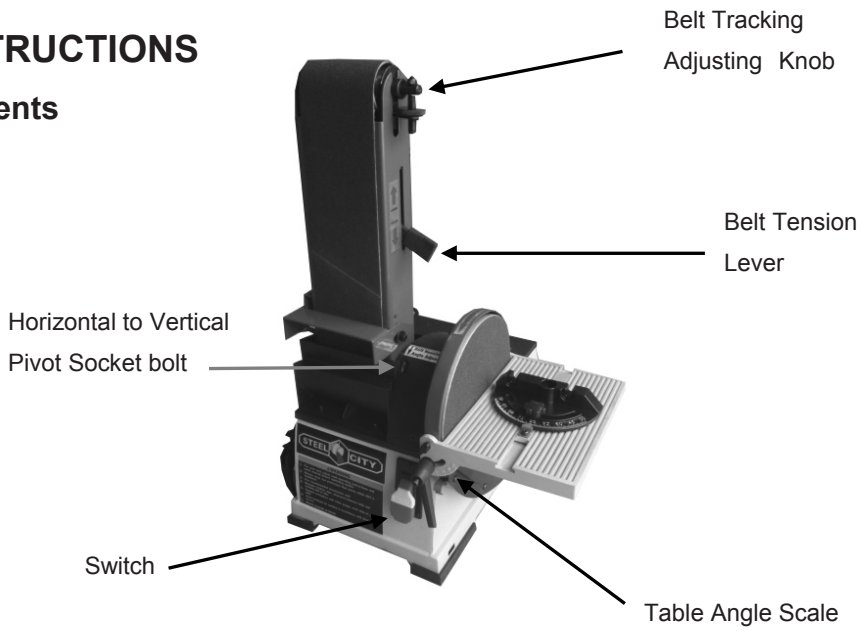
▲ Attach Dust Collection Bag

1. Place clamp over bag sleeve
2. Slide sleeve with clamp over the dust port
3. Secure in position by tightening clamp handle. Do not force handle. Rotate the handle to increase the clamp size.



✒ OPERATING INSTRUCTIONS

▲Controls and Adjustments

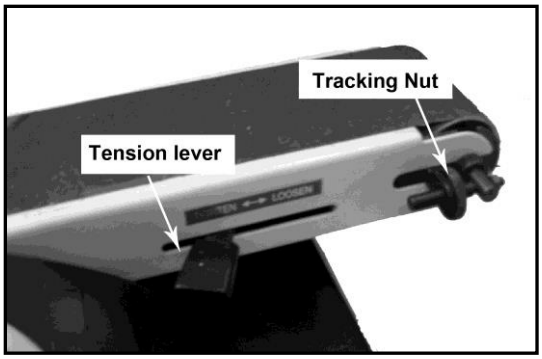


▲Sanding Safety Tips

1. Always maintain a maximum of 1/16 inch clearance between the table and the sanding Disc.
2. **CAUTION: Do not use the right side of the disc for sanding. The material could kick back.**
3. **Hold material securely while sanding to avoid kick back.**

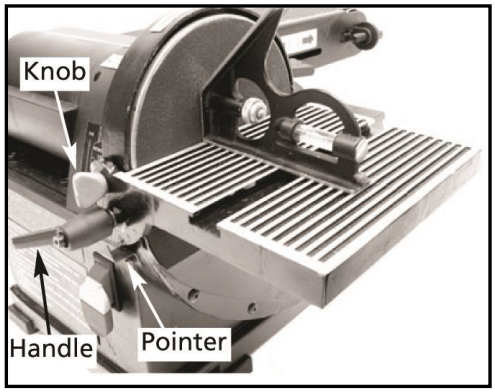
▲Adjusting the Sanding Belt Tracking

1. Turn the Belt Sander On.
   If the belt looks like it is going to slide off either roller, the belt tracking needs to be adjusted.
2. Turn the Belt Tracking Adjusting Knob until the belt rides on the center of the Idle Roller and Drive Drum.



▲Leveling Table Assembly

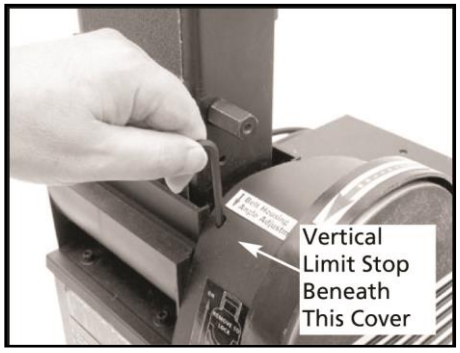
1. Place a combination square on the Table so that it also touches the Sanding Disc.
2. Loosen the Table Angle Adjusting Knob and tilt the Table until the angle is 90 degrees.
3. Retighten the Knob to secure the table.
4. Loosen the angle Pointer screw and adjust it so that it points to 90 degrees.



▲Adjusting the Sanding Belt for Vertical Operation

Caution: Never make adjustments to the Belt Sander without first unplugging the line cord from the electrical outlet.

1. Loosen socket head bolt that is threaded into pivot bracket.
2. Tilt belt assembly to desired position. Secure belt assembly position by tightening socket head bolt in pivot bracket.
3. Adjustable positive stops are provided for both horizontal and vertical positions.



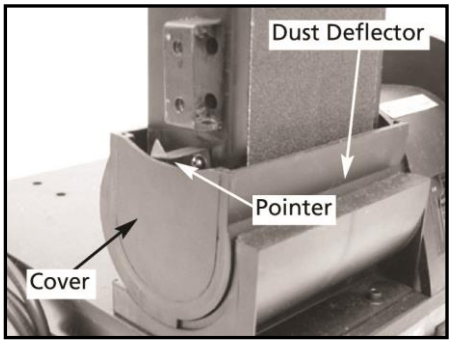
✒ INSPECTION, MAINTENANCE, AND CLEANING

WARNING! Make sure the Power Switch of the Belt Sander is in it's "OFF" position and that the tool is unplugged from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

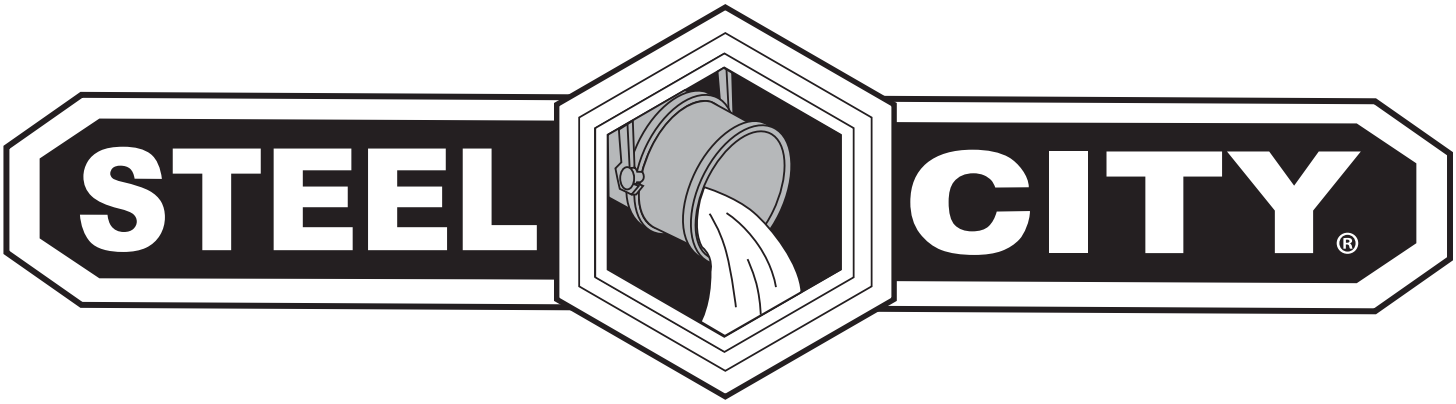
1. Before each use, inspect the general condition of the Belt Sander. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. If abnormal noise or vibration occurs, have the problem corrected before further use. Do not use damaged equipment.
2. Periodically recheck all nuts, bolts, and screws for tightness.
3. Cover and store in a clean and dry location.
4. Apply a light coat of paste wax to the worktable to make feeding stock easier.
5. Use compressed air to blow out dust and debris from sander and motor.
6. The bearings within are sealed and do not require lubrication.

▲Sanding Belt Replacement

1. Remove table assembly or work stop.
2. Remove pointer, then slide cover up and out from dust deflector.
3. Release belt tension by pushing tension lever toward idler drum. Slide old belt off the drive and idler drums.
4. Slide new belt over the drive and idler drums; center belt on drums.
5. Push tension lever towards drive drum to tension belt.
6. Check tracking.
7. Assemble in reverse order



DATE	MAINTENANCE PERFORMED	REPLACEMENT COMPONENTS REQUIRED



STEEL CITY TOOL WORKS

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